

PATENT ABSTRACTS OF JAPAN

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(54) ORGANIC THIN FILM

(57)Abstract:

PURPOSE: To obtain a uniform and stable amorphous organic thin film by incorporating at least one of triphenylamine derivative stereoscopically asymmetrical as an entire molecule and p-diphenquinone derivative stereoscopically asymmetrical as an entire molecule.

INSTITUTION: Substituent groups of three phenyl groups have different two or more triphenylamine skeletons in such a manner that the two or more skeletons are different from each other, and contains at least one of triphenylamine derivative stereoscopically asymmetrical as an entire molecule and p-diphenquinone derivative stereoscopically asymmetrical as an entire molecule. The triphenylamine derivative or the p-diphenquinone derivative has phenyl group introduced with the same substituent group, and lowers its crystallinity as compared with that having partly excellent symmetry so that an amorphous state becomes stable. Since the triphenylamine derivative has two or more triphenylamine skeletons, a decrease in thermal resistance due to an increase in a molecular weight can be avoided.

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